

Figure 1

through

Figure 8

Built-up Wheel Control Arm

Abstract

The present invention pertains to a control arm 12, especially for the wheel suspension of a motor vehicle. The control arm 12 comprises at least two connection points 13, 14, 15 for the pivotingly
5 movable connection of the control arm 12 to a body structure and to a wheel guide component as well as a strut arrangement, which connects the connection points.

The control arm according to the present invention is characterized in that the strut arrangement is composed of at least two strut means 17, 18, 19, wherein the strut means are designed as separate
10 profiled parts with an essentially flat or open cross-sectional shape. The present invention creates a modular system for the design and the manufacture of control arms of extensively any desired shape for axle systems and wheel suspensions of motor vehicles. Relatively no appreciable tool costs are incurred for generating variants of control arms or new control arm structural shapes. The modular components can be manufactured at extremely favorable costs and in predictable lot sizes due to the multiple usability and because of the simple shape of the modular components.

15 Figure 6

Figure 6